

CELL SURFACE MOLECULE MEDIATING CELL ADHESION AND  
SIGNAL TRANSMISSION

5                                    Abstract of the Disclosure

Novel cell surface molecules recognized by monoclonal  
antibodies against a cell surface molecule of lymphocytic  
cells that play an important role in autoimmune diseases  
and allergic diseases have been isolated, identified, and  
10 analyzed for their functions. The cell surface molecules  
are expressed specifically in thymocytes, lymphocytes  
activated by ConA-stimulation, and peripheral blood  
lymphocytes, and induce cell adhesion. Antibodies against  
the cell surface molecules significantly ameliorate  
15 pathological conditions of autoimmune diseases and allergic  
diseases.

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